

# **Certificate II – Internet and Digital Imaging Cluster**

## **Assignment Specifications**

- 1) All Activities in book and Assignments are to be completed individually unless otherwise specified.
- 2) All assignments are to be prepared electronically using the most appropriate software for the assignments requirements.
- 3) The layout of each assignment should be as follows:
  - a) Cover sheet (Assignment Title, Your name )
  - b) Table of Contents
  - c) Introduction
  - d) Body of Information
  - e) Conclusion
  - f) Index
  - g) Glossary of Terms (Definition of the technical or subject terminology used in the document)
- 4) Microsoft Word has a word count option to ensure all assignments are prepared to correctly: Tools, Word count
  - a) 1000 words = 2-3 pages
  - b) 1500 words = 3-4 pages
  - c) 5000 words = 10-12 pages
- 5) Books required by Lecturer only:
  - a) Access the Internet - ISBN: 0864585136
  - b) Detect and Protect from Spam and Destructive Software – ISBN: 0864586361

## **ICPMM263A – Access and Use the Internet**

### **ICAU1133A - Send and retrieve information using web browsers and email**

Exam - Multiple choice questions

# ICAS2243A – Detect and Protect from Spam and Destructive Software

## Assessment

- 1) Write a report on Internet Security for a personal computer with either a wireless or cabled ADSL internet connection. Be sure to discuss the following topics.
- 2) Viruses
  - a) What is a virus
  - b) Phases of a virus
  - c) How viruses work
  - d) Types of viruses
  - e) Signs the PC has a virus
- 3) Spam
  - a) What is spam
  - b) Current solutions to spam
  - c) Types of spam
  - d) Main principles of the Spam Act 2003
- 4) Spyware
  - a) What is spyware
  - b) Current solutions to spyware
  - c) Types of spyware
- 5) Firewalls
  - a) What is a firewall
  - b) Types of firewalls
  - c) How firewalls work
  - d) Limitations of a firewall
- 6) Recommend
  - a) an anti-virus strategy
  - b) an anti-spam strategy
  - c) an anti-spyware strategy
- 7) Recommend an Internet Security strategy including an internet security software package, justifying your reasons for using this software. (The software can be a suite of programs or a set of individual software packages that are compatible and will work in harmony with each other).

## ICPMM321A - Getting to know your Digital Camera, the Peripherals and Consumables

- 1) Locate the Operating Instructions (User Guide) that is supplied with your camera.
- 2) Use the Operations Instructions to ensure all the components are readily available.
  - a) Create a new document with the name - Getting to know your Digital Camera, the Peripherals and Consumables
  - b) List the equipment that should be included with your camera.
- 3) When you are sure you have all the equipment, peripherals and components, then check whether the batteries are charged and ready for operation.
  - a) If Yes - follow the instructions to insert the batteries
  - b) If No - arrange for your batteries to be recharged.
- 4) Use the Operating Instructions to identify the parts of your camera.
- 5) Turn the camera on and become familiar with the basic operations.
- 6) Document how to read the "Battery Remaining Indicator" for your camera, when using Nickel-Metal Hydride (rechargeable) batteries.
- 7) Document and compare the number of images and battery life that can be recorded for both Nickel-Metal Hydride and Alkaline batteries.
  - a) Example:

Shooting still images (Sony Cybershot using Nickel-Metal Hydride - rechargeable batteries)

Image Size	LCD Screen	Number of Images	Battery Life (Minutes)
5M	On	340 Approx	170 Approx
	Off	580 approx	290 Approx
VGA (Email)	On	340 Approx	170 Approx
	Off	580 approx	290 Approx

Shooting still images (Sony Cybershot using Size AA alkaline batteries)

Image Size	LCD Screen	Number of Images	Battery Life (Minutes)
5M	On	70 Approx	35 Approx
	Off	150 approx	75 Approx
VGA (Email)	On	70 Approx	35 Approx
	Off	150 approx	75 Approx

- 8) Document the number of images and battery life that can be viewed.  
Using tables as per the previous example.
- 9) Use the Operating Instructions to set the current date and time.
- 10) Use the Operating Instructions to learn how and where to insert the memory stick. Document the size of the memory stick being used.
- 11) Use the Operating Instructions to locate the Mode dial.
- 12) Set the Image size to the highest megapixels (for example 3M, 5M).
- 13) Practice taking some photos and viewing them on the LCD panel.
- 14) Use the Operating Instructions to learn how to delete unwanted images.
- 15) Save your documentation which will be added to in the following weeks.

## ICPMM321A - Week 1 PowerPoint and Activities

- 1) Activate Internet Explorer
- 2) In the address bar enter the following:
  - i) 134.115.12.195
  - ii) Press Enter or Go
- 3) Click on the link Part Time
- 4) Click on the link Digital Photography Foundations
- 5) Work through PowerPoint Presentation Week 1

### Activities

- 1) Complete the activities from the presentation.
- 2) Take photographs of the same subject
  - a) Inside
  - b) Outside
  - c) Macro setting
  - d) Landscape setting
    - i) but using 3 different flash settings:
    - ii) Flash Auto
    - iii) Flash On
    - iv) Flash Off

You should now have 12 photos for your portfolio

- 3) Transfer the photograph's to your PC then save the photograph's to your Portfolio file. Rename the photographs in accordance with the camera settings (for example - InsideFlashAuto, MacroFlashOff)

## **ICPMM321A - Week 2 PowerPoint and Activities**

- 1) Activate Internet Explorer
- 2) In the address bar enter the following:
  - i) 134.115.12.195
  - ii) Press Enter or Go
- 3) Click on the link Part Time
- 4) Click on the link Digital Photography Foundations
- 5) Work through PowerPoint Presentation Week 2

### **Activities**

- 1) Complete the activities from the presentation.
- 2) Transfer the photograph's to your PC then save the photograph's to your Portfolio file. Rename the photographs in accordance with the camera settings (for example - Res5MLargeAperture, Res5MSmallAperture)

## **ICPMM321A - Week 3 PowerPoint and Activities**

- 1) Activate Internet Explorer
- 2) In the address bar enter the following:
  - i) 134.115.12.195
  - ii) Press Enter or Go
- 3) Click on the link Part Time
- 4) Click on the link Digital Photography Foundations
- 5) Work through PowerPoint Presentation Week 3

### **Activities**

- 1) Complete the activities from the presentation.
- 2) Transfer the photograph's to your PC then save the photograph's to your Portfolio file. Rename the photographs in accordance with the camera settings (for example - ExposureMatrix, ExposureCentreWeighted)

## **ICPMM321A - Week 4 PowerPoint and Activities**

- 1) Activate Internet Explorer
- 2) In the address bar enter the following:
  - i) 134.115.12.195
  - ii) Press Enter or Go
- 3) Click on the link Part Time
- 4) Click on the link Digital Photography Foundations
- 5) Work through PowerPoint Presentation Week 4

### **Activities**

- 1) Practice photographing people taking into account the suggestions discussed in the presentation.
- 2) Transfer the photograph's to your PC then save the photograph's to your Portfolio file. Rename the photographs in accordance with the camera settings.

## **ICPMM321A – Image Processing Tutorials 1 and 2**

- 1) Activate Internet Explorer
- 2) In the address bar enter the following:
  - i) 134.115.12.195
  - ii) Press Enter or Go
- 3) Click on the link Part Time
- 4) Click on the link Image Processing Tutorials
- 5) Work through Tutorials saving the completed work to your portfolio.